

**Table 5-15.** Concentration of COCs Detected in Area G Sediment (Page 1 of 2)

| Analyte   | # of Samples Collected | # of Detections | Range of Detections    | Mean <sup>1/</sup> Value | Median <sup>2/</sup> Value | Standard <sup>3/</sup> Deviation |
|---|------------------------|-----------------|------------------------|--------------------------|----------------------------|----------------------------------|
| <b>Dioxin/Furan as 2,3,7,8-TCDD (TEQ) (ng/kg)</b>     |                        |                 |                        |                          |                            |                                  |
| TCDD (TEQ) (ng/kg)                                    | 10                     | 10              | 10.18-1025.36          | 146.04                   | 46.33                      | 310.30                           |
| <b>TCLP Dioxin/Furan as 2,3,7,8-TCDD (TEQ) (pg/L)</b> | 6                      | 6               | 2.93-6.84              | 4.79                     | 4.39                       | 1.67                             |
| <b>TOC (%)</b>  | 6                      | 6               | 1.65-13.9              | 6.7                      | 5.6                        | 4.9                              |
| <b>Metals (mg/kg)</b>                                 |                        |                 |                        |                          |                            |                                  |
| Arsenic   | 21                     | 21              | 3-410 C                | 57                       | 21                         | 105                              |
| Barium  | 21                     | 21              | 33-819                 | 237                      | 200                        | 217                              |
| Cadmium   | 21                     | 17              | 2-33 CF                | 6.1                      | 3                          | 8.4                              |
| Chromium  | 21                     | 21              | 23 F-650 CF            | 165                      | 129                        | 153                              |
| Copper  | 21                     | 21              | 43 F-1600              | 458                      | 318                        | 451                              |
| Lead  | 21                     | 21              | 10 C-1220 CF           | 287                      | 170                        | 325                              |
| Mercury   | 21                     | 14              | 0.07 JF-0.5            | 0.1                      | 0.08                       | 0.16                             |
| Nickel  | 21                     | 21              | 24-434 F               | 158                      | 119                        | 128                              |
| Selenium  | 21                     | 1               | 15 CF                  | na                       | na                         | na                               |
| Silver  | 21                     | 3               | 0.2 J-1.5 J            | 0.4                      | 0.2                        | 0.3                              |
| Zinc  | 21                     | 21              | 139 F-6,760 CF         | 1,931                    | 1,330                      | 1,921.8                          |
| <b>TCLP Metals (mg/L)</b>                             |                        |                 |                        |                          |                            |                                  |
| Barium  | 6                      | 1               | 0.80                   | na                       | na                         | na                               |
| Lead  | 6                      | 1               | 0.13                   | na                       | na                         | na                               |
| <b>Diesel (mg/kg)</b>                                 | 4                      | 4               | 513 0-4000 O           | 1,793                    | 1,320                      | 1,616                            |
| <b>Gasoline (mg/kg)</b>                               | 1                      | 0               | All results below MRL. |                          |                            |                                  |
| <b>Oil (mg/kg)</b>                                    | 6                      | 6               | 1700-20000             | 8,444                    | 8,700                      | 7,506                            |
| <b>VOCs (µg/kg)</b>                                   | 2                      | 0               | All results below MRL. |                          |                            |                                  |
| <b>PAH as benzo(a)pyrene</b>                          | 3                      | 3               | 0.087-15.84            | 5.46                     | 0.46                       | 8.99                             |
| <b>TEQ (mg/kg)</b>                                    |                        |                 |                        |                          |                            |                                  |
| <b>EPH (mg/kg)</b>                                    |                        |                 |                        |                          |                            |                                  |
| Acenaphthene  | 4                      | 1               | 1F                     | na                       | na                         | na                               |
| C10-C22 Aromatics                                     | 4                      | 4               | 279XF-1140XF           | 722.7                    | 736.0                      | 476.7                            |
| C19-C36 Aliphatics                                    | 4                      | 4               | 933F-11000C            | 4358.3                   | 2750.0                     | 4662.7                           |
| C9-C18 Aliphatics                                     | 4                      | 4               | 41F-73F                | 63.0                     | 65.0                       | 17.7                             |
| Fluoranthene  | 4                      | 1               | 12F                    | na                       | na                         | na                               |
| Naphthalene   | 4                      | 1               | 4F                     | na                       | na                         | na                               |
| Phenanthrene  | 4                      | 1               | 13F                    | na                       | na                         | na                               |
| Pyrene  | 4                      | 1               | 15F                    | na                       | na                         | na                               |

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| Analyte                    | # of Samples Collected | # of Detections | Range of Detections | Mean <sup>1/</sup> Value | Median <sup>2/</sup> Value | Standard <sup>3/</sup> Deviation |
|----------------------------|------------------------|-----------------|---------------------|--------------------------|----------------------------|----------------------------------|
| <b>PCBs (mg/kg)</b>        |                        |                 |                     |                          |                            |                                  |
| Aroclor 1242               | 11                     | 3               | 0.1-0.5             | 0.09                     | 0.04                       | 0.15                             |
| Aroclor 1254               | 11                     | 11              | 0.05 J-9.5 F        | 1.3                      | 0.4                        | 2.9                              |
| Aroclor 1260               | 11                     | 10              | 0.04 J-3.9 F        | 0.8                      | 0.2                        | 1.5                              |
| <b>SVOCs (mg/kg)</b>       |                        |                 |                     |                          |                            |                                  |
| Anthracene                 | 3                      | 2               | 0.02 JD-3 JDF       | 1.0                      | 0.5                        | 1.07                             |
| Benz(a)anthracene          | 3                      | 2               | 0.05 J-18 DF        | 3.2                      | 0.5                        | 6.6                              |
| Benzo(a)pyrene             | 3                      | 2               | 0.05 J - 11 DF      | 2.08                     | 0.5                        | 3.96                             |
| Benzo(b)fluoranthene       | 3                      | 2               | 0.06 J-13 DF        | 4.85                     | 1.5                        | 7.09                             |
| Benzo(g,h,i)perylene       | 3                      | 2               | 0.06 J-5 J DF       | 1.11                     | 0.5                        | 1.7                              |
| Benzo(k)fluoranthene       | 3                      | 1               | 12 D F              | na                       | na                         | na                               |
| bis(2-ethylhexyl)phthalate | 3                      | 3               | 1.2 E-4.1 D         | 2.8                      | 3                          | 1.5                              |
| Chrysene                   | 3                      | 3               | 0.07 J-22 DF        | 3.7                      | 0.5                        | 8.1                              |
| Dibenzo(a,h)anthracene     | 3                      | 1               | 1 J DF              | na                       | na                         | na                               |
| Fluoranthene               | 3                      | 3               | 0.1 J-48 DF         | 8.9                      | 0.5                        | 17.8                             |
| Fluorene                   | 3                      | 1               | 1 J D F             | na                       | na                         | na                               |
| Indeno(1,2,3-cd)pyrene     | 3                      | 2               | 0.06 J-6 JDF        | 1.18                     | 0.5                        | 2.1                              |
| Phenanthrene               | 3                      | 3               | 0.05 J - 26 DF      | 5.9                      | 0.5                        | 10.0                             |
| Pyrene                     | 3                      | 3               | 0.1 J-43 DF         | 7.5                      | 0.9                        | 14.1                             |

Notes: TEQ = Toxicity equivalency quotient

MRL = Method reporting limit

C = The MRL is elevated because the sample required diluting

F = The MRL is elevated because of the low percent solids in the sample

J = Estimated concentration

O = Quantitated as diesel. The sample contained an oil component that partially eluted in the diesel range.

D = The MRL is elevated because of matrix interferences and because the sample required diluting

E = Estimated concentration

X = Excludes target PAHs

na = not applicable

1/ Sample arithmetic mean. Includes non-detect data assigned one-half the MDL.

2/ Sample median. Includes non-detect data assigned one-half the MDL.

3/ Sample arithmetic standard deviation. Includes non-detect data assigned one-half the MDL.